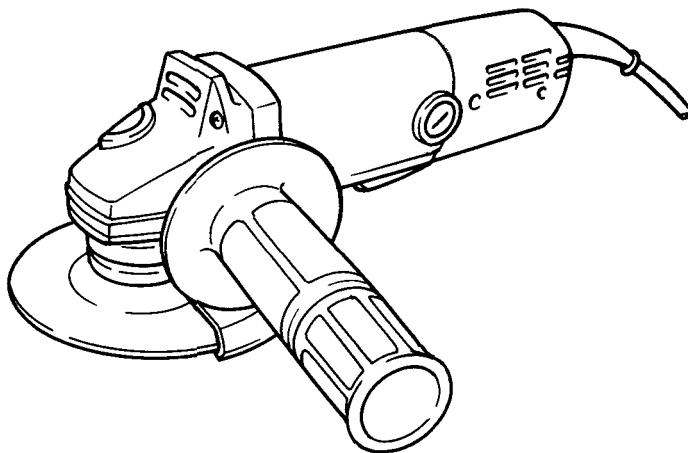


Angle Grinder

100 mm (4")**MODEL 9526PB****115 mm (4-1/2")****MODEL 9527PB****125 mm (5")****MODEL 9528PB**

INSTRUCTION MANUAL



SPECIFICATIONS

MODEL	No load speed (RPM)	Overall length	Net weight	Spindle thread
9526PB	10,000	275 mm (10-7/8")	1.5 kg (3.3 lbs)	M10 x 1.5
9527PB	10,000	275 mm (10-7/8")	1.5 kg (3.3 lbs)	5/8"
9528PB	10,000	275 mm (10-7/8")	1.5 kg (3.3 lbs)	5/8"

* Manufacturer reserves the right to change specifications without notice.

• Specifications may differ from country to country.

WARNING: For your personal safety, READ and UNDERSTAND before using.

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

GENERAL SAFETY RULES

(For All Tools)

WARNING! Read and understand all instructions. Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.

SAVE THESE INSTRUCTIONS

READ ALL INSTRUCTIONS.

1. **Keep your work area clean and well lit.** Cluttered benches and dark areas invite accidents.
2. **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.** Power tools create sparks which may ignite the dust or fumes.
3. **Keep bystanders, children, and visitors away while operating a power tool.** Distractions can cause you to lose control.
4. **Double Insulated tools are equipped with a polarized plug (one blade is wider than the other.)** This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. **Do not change the plug in any way.** Double insulation  eliminates the need for the three wire grounded power cord and grounded power supply system.
5. **Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is grounded.
6. **Don't expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
7. **Do not abuse the cord.** Never use the cord to carry the tools or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately. Damaged cords increase the risk of electric shock.
8. **When operating a power tool outside, use an outdoor extension cord marked "W-A" or "W."** These cords are rated for outdoor use and reduce the risk of electric shock.
9. **Stay alert, watch what you are doing and use common sense when operating a power tool.** Do not use tool while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in serious personal injury.
10. **Dress properly.** Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.

- 11. Avoid accidental starting. Be sure switch is off before plugging in.** Carrying tools with your finger on the switch or plugging in tools that have the switch on invites accidents.
- 12. Remove adjusting keys or switches before turning the tool on.** A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.
- 13. Do not overreach.** Keep proper footing and balance at all times. Proper footing and balance enables better control of the tool in unexpected situations.
- 14. Use safety equipment. Always wear eye protection.** Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.
- 15. Use clamps or other practical way to secure and support the workpiece to a stable platform.** Holding the work by hand or against your body is unstable and may lead to loss of control.
- 16. Do not force tool.** Use the correct tool for your application. The correct tool will do the job better and safer at the rate for which it is designed.
- 17. Do not use tool if switch does not turn it on or off.** Any tool that cannot be controlled with the switch is dangerous and must be repaired.
- 18. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing the tool.** Such preventive safety measures reduce the risk of starting the tool accidentally.
- 19. Store idle tools out of reach of children and other untrained persons.** Tools are dangerous in the hands of untrained users.
- 20. Maintain tools with care. Keep cutting tools sharp and clean.** Properly maintained tools, with sharp cutting edges are less likely to bind and are easier to control.
- 21. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tools operation.** If damaged, have the tool service before using. Many accidents are caused by poorly maintained tools.
- 22. Use only accessories that are recommended by the manufacturer for your model.** Accessories that may be suitable for one tool, may become hazardous when used on another tool.
- 23. Tool service must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel could result in a risk of injury.
- 24. When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance section of this manual.** Use of unauthorized parts or failure to follow Maintenance Instructions may create a risk of electric shock or injury.

SPECIFIC SAFETY RULES FOR GRINDER

- 1. Always use proper guard with grinding wheel.** A guard protects operator from broken wheel fragments.
- 2. Accessories must be rated for at least the speed recommended on the tool warning label.** Wheels and other accessories running over rated speed can fly apart and cause injury.
- 3. Hold tool by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring or its own cord.** Contact with a "live" wire will make exposed metal parts of the tool "live" and shock the operator.
- 4. Never use hubbed grinding wheels on this tool (for 9526PB only).**

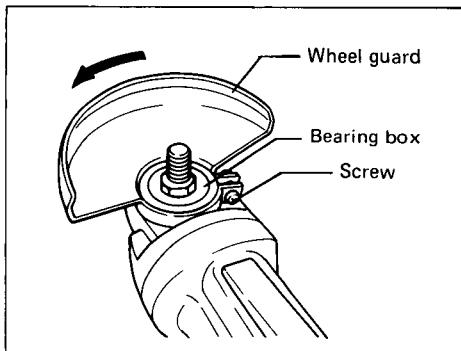
SYMBOLS

The followings show the symbols used for tool.

V	.....	volts
A	.....	amperes
Hz	.....	herts
kg	.....	kilograms
h	.....	hours
min	.....	minutes
s	.....	seconds
	.....	alternating current
	.....	direct current
	.....	no load speed
	.....	alternating or direct current
	.....	Class II Construction
	.....	splash-proof construction
	.....	watertight construction
.../min	.....	revolutions or reciprocation per minute
	.....	number of blow

Installing the wheel guard

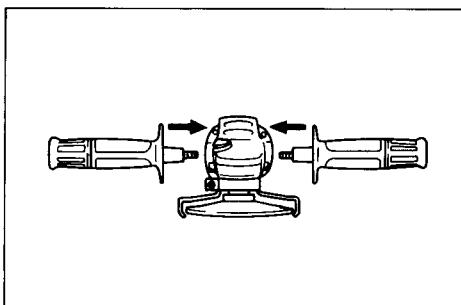
Mount the wheel guard with the tab on the wheel guard band aligned with the notch on the bearing box. Then rotate the wheel guard 180° counterclockwise. Be sure to tighten the screw securely.



Installing side grip (auxiliary handle)

For 9527PB and 9528PB only

Screw the side grip on the tool securely. The side grip can be installed on either side of the tool, whichever is convenient.

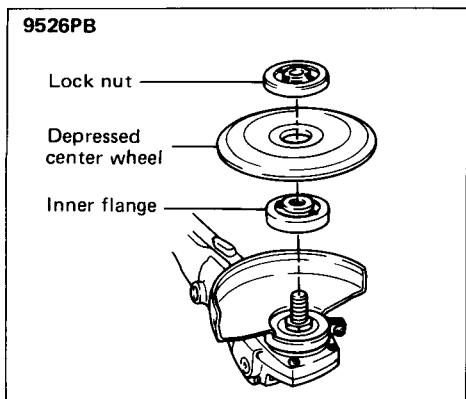
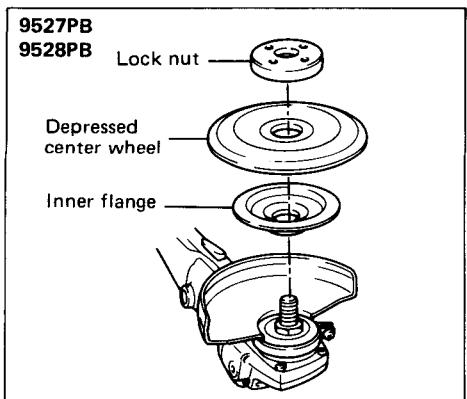


Installing or removing the depressed center wheel

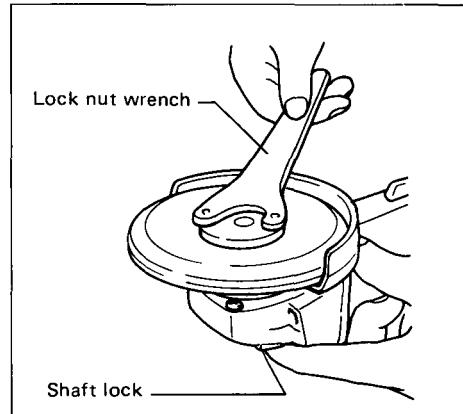
CAUTION:

Always be sure that the tool is switched off and unplugged before installing or removing the wheel.

Mount the inner flange onto the spindle. Fit the wheel on over the inner flange and screw the lock nut onto the spindle.



To tighten the lock nut, press the shaft lock firmly so that the spindle cannot re-rotate, then use the lock nut wrench and securely tighten clockwise.



WARNING:

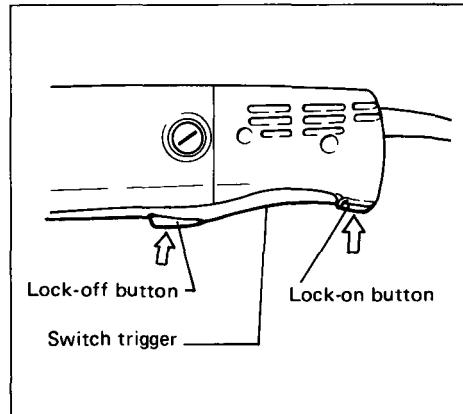
Only actuate the shaft lock when the spindle is not moving.

Switch action

CAUTION:

- Do not pull the trigger forcibly without pushing in the lock-off button.
- Before plugging in the tool, always check to see that the switch trigger actuates properly and returns to the "OFF" position when released.

To prevent the trigger from being accidentally actuated, a lock-off button is provided. To start the tool, push in the lock-off button and then pull the trigger. Release the trigger to stop. For continuous operation, pull the trigger and then push in the lock-on button. To stop the tool from the locked position, pull the trigger fully, then release it.

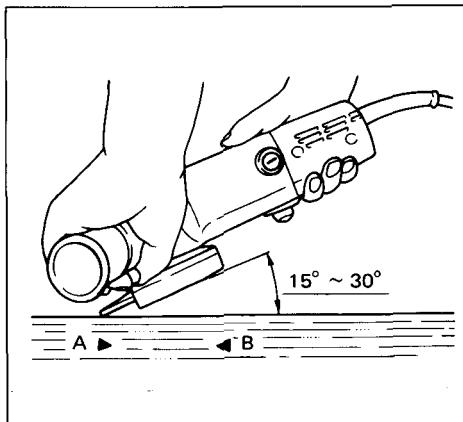


Operation

Hold the tool firmly. Turn the tool on and then apply the wheel or disc to the work-piece.

In general, keep the edge of the wheel or disc at an angle of about 15° to the work-piece surface.

During the break-in period with a new wheel, do not work the grinder in the B direction or it will cut into the workpiece. Once the edge of the wheel has been rounded off by use, the wheel may be worked in both A and B directions.



WARNING:

- It should never be necessary to force the tool. The weight of the tool applied adequate pressure. Forcing and excessive pressure could cause dangerous when wheel breakage.
- Continued use of a worn-out wheel may result in wheel explosion and serious personal injury. Depressed center wheel should not be used after it has beeен worn down to 75 mm (3") in diameter for Model 9526PB or 90 mm (3-1/2") for Models 9527PB and 9528PB in diameter. Use of the wheel after this point is unsafe and it should be removed from service and rendered unusable by intentional destruction.

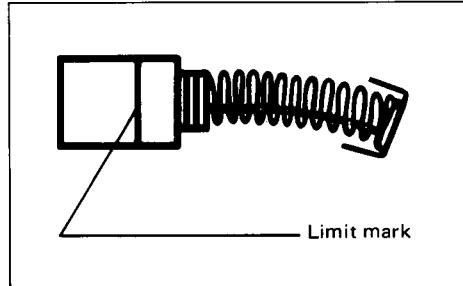
MAINTENANCE

CAUTION:

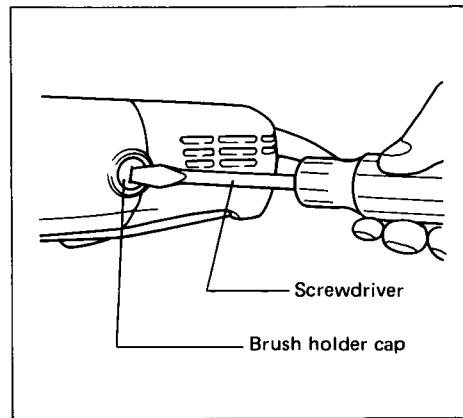
Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance.

Replacing carbon brushes

Remove and check the carbon brushes regularly. Replace when they wear down to the limit mark. Keep the carbon brushes clean and free to slip in the holders. Both carbon brushes should be replaced at the same time. Use only identical carbon brushes.



Use a screwdriver to remove the brush holder caps. Take out the worn carbon brushes, insert the new ones and secure the brush holder caps.

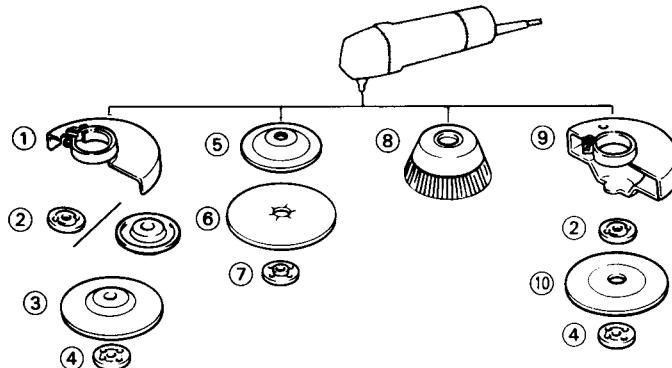


To maintain product **SAFETY** and **RELIABILITY**, repairs, any other maintenance or adjustment should be performed by Makita Authorized or Factory Service Centers, always using Makita replacement parts.

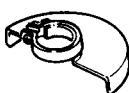
ACCESSORIES

CAUTION:

These accessories or attachments are recommended for use with your Makita tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. The accessories or attachments should be used only in the proper and intended manner.



① Wheel cover



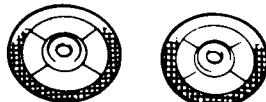
Part No.	For Model
165187-6	9526PB
165053-7	9527PB
165055-3	9528PB

② Inner flange



Size	Part No.	For Model
35	224337-3	9526PB
82	224332-3	9527PB 9528PB

③ Depressed center wheels



Part No.	Size	Grit	Wheels per pkg.	For Model
741402-B (Bulk)	4" x 3/16" x 5/8"			
741402-B-1		24	1	
741402-9-1	4" x 1/4" x 5/8"			
741402-C		C24R		
941425-B				9526PB
741402-B	4" x 3/16" x 5/8"	24	5	
741402-9AP	4" x 1/4" x 5/8"			
741405-2-1	4" x 3/16" x 5/8"	36	1	
741405-2P			5	
741423-0-1		24	1	
741423-B				
741423-0	4-1/2" x 1/4" x 7/8"		5	
741426-B		C24R	1	
741424-8-1				9527PB
741424-8		36	1	
741407-B	5" x 1/4" x 7/8"	24	1	
741427-B		C24R	1	9528PB

③ Multi-disc

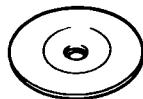


Part No.	Size	Grit	For Model
742038-0A	4" x 1/2" x 5/8"	40	9526PB
742038-0B		60	
742038-0C		80	
742038-0D		100	
794332-2A	4-1/2" x 5/8" x 7/8"	40	9527PB
794332-2B		60	
794332-2C		80	
794332-2D		100	
794331-4A	5" x 5/8" x 7/8"	40	9528PB
794331-4B		60	
794331-4C		80	
794331-4D		100	

④ Lock nut



Size	Part No.	For Model
10-35	224563-4	9526PB
5/8-40	224509-0	9527PB 9528PB

⑤ Rubber pad

Part No.	For Model
743009-6	9526PB
743036-3	9527PB
743015-1	9528PB

⑥ Abrasive discs**⑦ Lock nut 10-30**
(For abrasive disc)

Part No.	For Model
224502-4	9526PB
224517-1	9527PB 9528PB

⑧ Wire cup brush 75

Part No.	For Model
743205-6	9527PB 9528PB

Part No.	Diameter	Grit	Qty. per pkg.	For Model	
742036-0-3	4"	24	3	9526PB	
742037-8-3		36			
742038-6-3		50			
742039-4-3		80			
742087-3-3		100			
742040-9-3		120			
742036-A-5		24	5		
742037-A-5		36			
742038-A-5		50			
742039-A-5		80			
742087-A-5		100			
742040-A-5	4-1/2"	120	1	9527PB	
742036-B		24			
742037-B		36			
742038-B		50			
742039-B		80			
742087-B		100			
742040-B		120	5		
794104-A-5		24			
794105-A-5		30			
794106-A-5		50			
794107-A-5		80			
794108-A-5		120			
794104-B	5"	24	1	9528PB	
794105-B		30			
794106-B		50			
794107-B		80			
794108-B		120			
742072-A-5		24	5		
742073-A-5		30			
742074-A-5		50			
742075-A-5		80			
742076-A-5		120			
742072-B		24	1		
742073-B		36			
742074-B		50			
742075-B		80			
742076-B		120			

⑧ Wire bevel brush 85

Part No.	For Model
743210-A	9527PB 9528PB

⑨ Wheel guard assembly

(For cut-off wheel) For Model 9526PB

Part No. 192476-6



⑩ Cut-off wheel



Part No.	Size	Grit	Wheels per pkg.	For use	For Model
724104-110	4" x 3/32" x 5/8"	36	10	For masonry and concrete.	
724107-510	4" x 5/64" x 5/8"	46	10	For steel and cast iron.	9526PB

• Knot-Type
Wire cup brush



Part No.	For Model
743209-A	9527PB
743209-B	9528PB
743208-0A	

• Knotted Twist
Wire brush wheel



Part No.	For Model
743212-A	9527PB
	9528PB

• Stringer Bead Twist
Wire brush wheel



Part No.	For Model
743213-A	9527PB
743216-A	9528PB
743213-B	

• Lock nut wrench



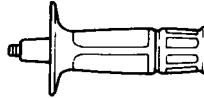
Part No.	For Model
782401-1	9526PB
782412-6	9527PB 9528PB

• Full Cable Twist
Wire brush wheel



Part No.	For Model
743211-A	9527PB
743217-A	9528PB
743214-A	

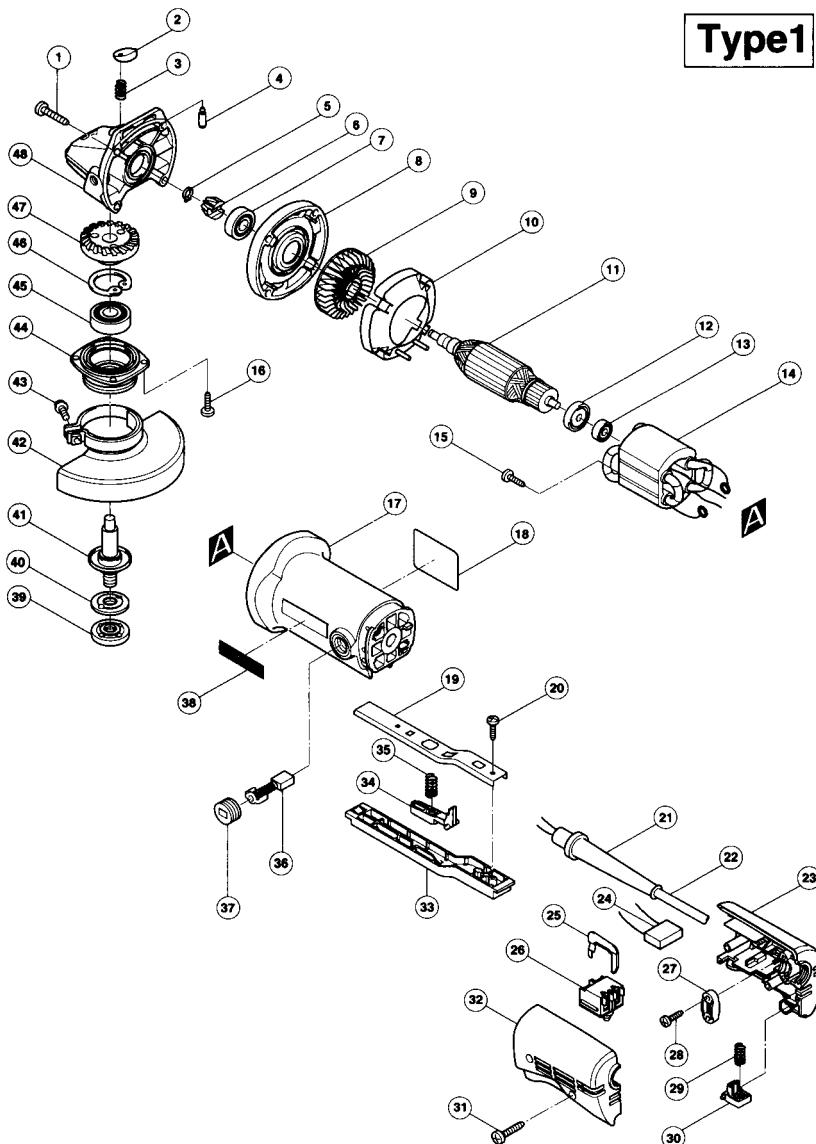
• Grip
Part No. 152487-3



100 mm (4") ANGLE GRINDER

Model 9526PB

Type1



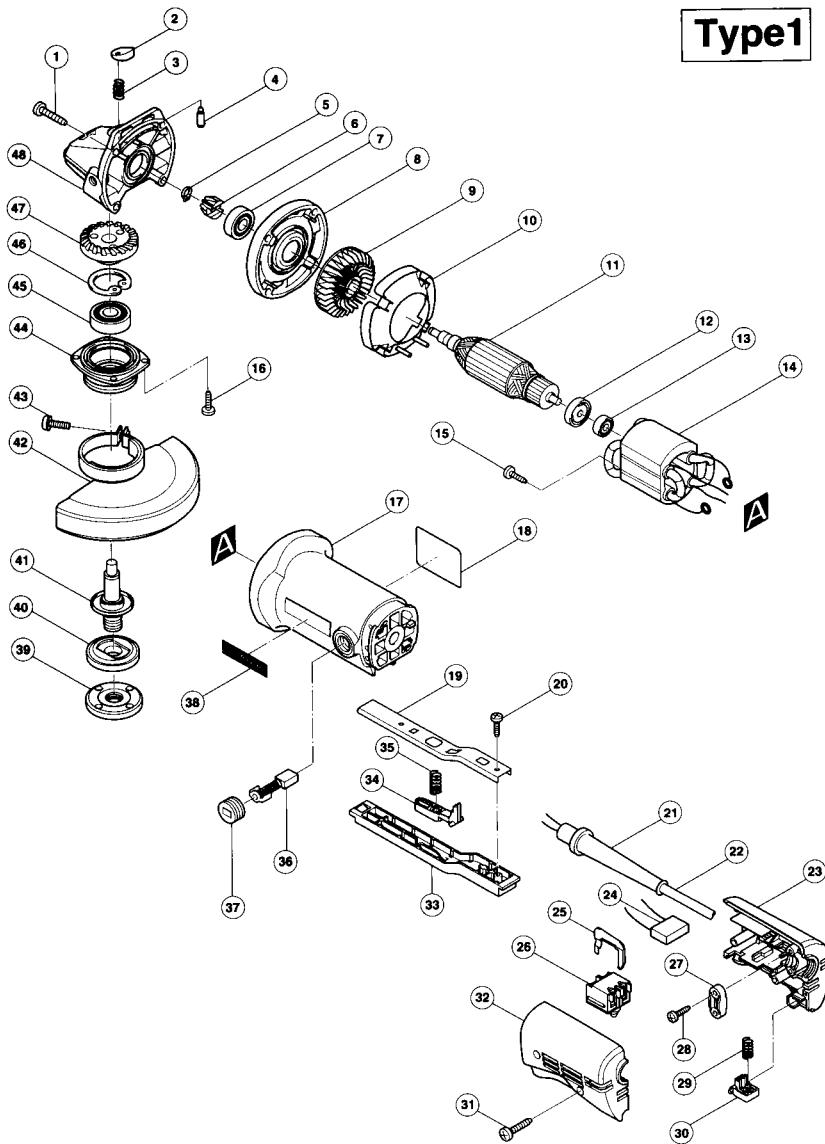
Note: The switch, noise suppressor and other part configurations may differ from country to country.

ITEM NO.	NO. USED	DESCRIPTION	ITEM NO.	NO. USED	DESCRIPTION
MACHINE					
1	4	Tapping Screw Bind PF 5x30	25	1	Divider
2	1	Pin Cap	26	1	Switch
3	1	Compression Spring 8	27	1	Strain Relief
4	1	Pin 4	28	2	Tapping Screw Bind PF 4x18
5	1	Retaining Ring S-6	29	1	Compression Spring 6
6	1	Spiral Bevel Gear 10	30	1	Lock-Off Button
7	1	Ball Bearing 6000DDW	31	2	Tapping Screw Bind PF 4x25
8	1	Gear Housing Cover	32	1	Rear Cover Set (With Item 23)
9	1	Fan 57	33	1	Switch Lever
10	1	Baffle Plate	34	1	Lock-Off Button
11	1	ARMATURE ARMATURE (With Item 9, 12 & 13)	35	1	Compression Spring 7
12	1	Insulation Washer	36	2	Carbon Brush
13	1	Ball Bearing 606ZZ	37	2	Holder Cap
14	1	FIELD ASSEMBLY	38	1	Makita Label
15	2	Tapping Screw Bind PF 3x10	39	1	Lock Nut 10-30
16	4	Tapping Screw CT 4x16	40	1	Inner Flange 30
17	1	Motor Housing Complete	41	1	Spindle Complete
18	1	Name Plate	42	1	Wheel Cover
19	1	Plate	43	1	Pan Head Screw M5x16
20	1	Tapping Screw Bind PF 3x8	44	1	Bearing Box
21	1	Cord Guard	45	1	Ball Bearing 6201DDW
22	1	Cord	46	1	Retaining Ring R-32
23	1	Rear Cover Set (With Item 32)	47	1	Spiral Bevel Gear 36
			48	1	Gear Housing Complete

Note: The switch and other part specifications may differ from country to country.

ANGLE GRINDER
115 mm (4-1/2") Model 9527PB
125 mm (5") Model 9528PB

Type1



Note: The switch, noise suppressor and other part configurations may differ from country to country.

ITEM NO.	NO. USED	DESCRIPTION	ITEM NO.	NO. USED	DESCRIPTION
<u>MACHINE</u>					
1	4	Tapping Screw Bind PF 5x30	25	1	Divider
2	1	Pin Cap	26	1	Switch
3	1	Compression Spring 8	27	1	Strain Relief
4	1	Pin 4	28	2	Tapping Screw Bind PF 4x18
5	1	Retaining Ring S-6	29	1	Compression Spring 6
6	1	Spiral Bevel Gear 10	30	1	Lock-Off Button
7	1	Ball Bearing 6000DDW	31	2	Tapping Screw Bind PF 4x25
8	1	Gear Housing Cover	32	1	Rear Cover Set (With Item 23)
9	1	Fan 57	33	1	Switch Lever
10	1	Baffle Plate	34	1	Lock-Off Button
11	1	ARMATURE ARMATURE (With Item 9, 12 & 13)	35	1	Compression Spring 7
12	1	Insulation Washer	36	2	Carbon Brush
13	1	Ball Bearing 606ZZ	37	2	Holder Cap
14	1	FIELD ASSEMBLY	38	1	Makita Label
15	2	Tapping Screw Bind PF 3x10	39	1	Lock Nut 14-45
16	4	Tapping Screw CT 4x16	40	1	Inner Flange 42
17	1	Motor Housing Complete	41	1	Spindle Complete
18	1	Name Plate	42	1	Wheel Cover
19	1	Plate	43	1	Pan Head Screw M5x16
20	1	Tapping Screw Bind PF 3x8	44	1	Bearing Box
21	1	Cord Guard	45	1	Ball Bearing 6201DDW
22	1	Cord	46	1	Retaining Ring R-32
23	1	Rear Cover Set (With Item 32)	47	1	Spiral Bevel Gear 36
			48	1	Gear Housing Complete

Note: The switch and other part specifications may differ from country to country.

MAKITA LIMITED ONE YEAR WARRANTY

Warranty Policy

Every Makita tool is thoroughly inspected and tested before leaving the factory. It is warranted to be free of defects from workmanship and materials for the period of ONE YEAR from the date of original purchase. Should any trouble develop during this one-year period, return the COMPLETE tool, freight prepaid, to one of Makita's Factory or Authorized Service Centers. If inspection shows the trouble is caused by defective workmanship or material, Makita will repair (or at our option, replace) without charge.

This Warranty does not apply where:

- repairs have been made or attempted by others;
- repairs are required because of normal wear and tear;
- The tool has been abused, misused or improperly maintained;
- alterations have been made to the tool.

IN NO EVENT SHALL MAKITA BE LIABLE FOR ANY INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES FROM THE SALE OR USE OF THE PRODUCT. THIS DISCLAIMER APPLIES BOTH DURING AND AFTER THE TERM OF THIS WARRANTY.

MAKITA DISCLAIMS LIABILITY FOR ANY IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF "MERCHANTABILITY" AND "FITNESS FOR A SPECIFIC PURPOSE," AFTER THE ONE-YEAR TERM OF THIS WARRANTY.

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.



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